
SD-03 Definition of Done

Objective

The objective of this document is to define when the development process for a specific feature/of the TVT software is finalized. Therefore, acceptance criteria have to be set and tested.

Responsible

Scrum Team, Quality Manager

General Procedure

The “Definition of Done” is defined in the Scrum Meetings between the product owner, the lead developer and development team. Design verification is defined in “Definition of Done”. After the successful test, the product is handed over to the Product Owner for validation.

During the development of product backlog items (PBI), the results of the development process must be tested in order to ensure correctness. For this reason, tests are created and implemented in each Sprint. The testing throughout the development phase is under the supervision of the lead developer. The lead developer hands over the available information at the end of the last sprint prior to the release to the product owner, so that the tests can be used for module/unit test during validation.

The “Definition of Done” describes when the acceptance criteria are fulfilled.

The tests must be carried out successfully per backlog item in order for the criteria to be fulfilled. The test links automatically to the backlog and is documented in Azure DevOps.

Checklist for each Sprint Backlog Item:

1. Code is done:

- a. Code meets Coding Standard
(\\shdevfiles.file.core.windows.net\tvtdev\Software\Coding Standard)
- b. No (new) “FIXME” or “REMOVEME” comments left in code (unless they point out a problem unrelated to the PBI).
- c. Superfluous (old/experimental/test/whatever) code removed (not just commented out).

2. Code is checked in:

- a. Changeset has a comment.
- b. Changeset is linked to a task.

3. Code builds, both in debug and release mode, without errors or warnings at the highest warning level.

4. Code is peer reviewed:

- a. For each changeset: One other internal non-probationary developer has informally reviewed the code.

5. Tests:

- a. Minor cosmetic changes? No test; approval by Product Owner is enough.
 - b. Can be tested with CompareLibTests/CommonLibsTests test? It should be tested with a such a test.
 - c. Can be tested with coded UI test? It has to be tested with a coded UI test. Add "Tested by" link to PBI.
 - d. Cannot be tested with coded UI test? Write a manual test. Add "Tested by" link to PBI.
- In any case: Document how you tested your work (Comment in PBI). The test should be reproducible.

6. PBI affects the User Interface? Then it must be presented to the Product Owner...

- a. ...before the sprint review, so that there is sufficient time to make the changes that the PO might request.

7. Developer documentation: either done, or not considered necessary (compare SD-02).

8. No tasks under the PBI remain open; all are closed as “done” or “removed.”

9. If needed, user documentation work item created and done within the sprint or saved in the backlog for the future for person responsible for documentation.

Checklist for each Sprint:

1. An automated run of all coded UI tests in state “Ready” passes, for both the latest debug and release builds.
2. “Compare Mass Test” and “PDF Mass Test” run without errors.
3. The queries in the folder Empty at Sprint End do not return any results.]

Applicable SOPs / Forms

- N/A

Document History

Version	Approval Date	Changes	Editor
1.0	2022-07-06	New document, transferred from AzureDev Ops	Dr. Elmar Braun